

~~14.~~ (Original) The computer-readable medium of claim 13 having computer executable instructions for performing the steps recited in claim 9.

15. (Original) A method to dynamically add at least one first module in a streaming data path of a graph having a plurality of modules, each module being connected to at least one other module to form the streaming data path, the streaming data path having at least one input module located at an input edge and at least one output module located at an output edge, the method comprising:

 sending a notification packet through the streaming data path to each module within the streaming data path, the notification packet indicating that data flow has stopped;

 detecting when the notification packet is received at each output module;

 adding each first module after detecting when the notification packet is received at each output module;

 commanding each first module to change to a run state; and
 restarting data flow in the streaming data path.

16. (Original) The method of claim 15 further comprising the step of acquiring a graph lock.

commanding the selected module to change to a stop state;
disconnecting each pin that is connected to the selected module prior to
removing the selected module; and
connecting each pin that was connected to the selected module to a pin of
an other module that was connected to the selected module.

23. (Original) The method of claim 21 further comprising the steps of:
detecting when each input edge module receives a notification packet;
connecting at least one output pin of each input edge module to at least one input
pin of one of the second module; and
wherein each second module is commanded to change to a run state when its
input pin is connected to one of the second module and the input edge module.

24. (Original) The method of claim 21 further comprising the step of
acquiring a graph lock.

25. (Original) A computer-readable medium having computer executable
instructions for performing the steps recited in claim 15.

X 26. (Original) The computer-readable medium of claim 25 having further
computer executable instructions for performing the steps recited in claim 21. X

Amendments to the Claims

Please amend the claims of the present application as set forth in the listing of the claims below. This listing of the claims will replace all prior versions and listings of the claims.

Claims 1 – 29 were originally filed.

Claims 27 – 29 have been withdrawn.

Claim 9 has been amended.

Claims 30 – 35 were presented in an earlier amendment.

Accordingly, claims 1 – 26 and 30 – 35 are pending.

Listing of Claims:

1. (Original) A method to dynamically remove at least one selected module in a streaming data path of a graph having a plurality of modules, each module being connected to at least one other module to form the streaming data path, the streaming data path having at least one input module located at an input edge and at least one output module located at an output edge, the method comprising the steps of:

sending a notification packet through the streaming data path to each module within the streaming data path, the notification packet indicating that data flow has stopped;

detecting when the notification packet is received at each output module;

commanding each selected module to be removed to change to a stop state after detecting when the notification packet is received at each output module;

removing each selected module; and

restarting data flow in the streaming data path.

disconnecting each pin of the first module connected to the selected module;

reconnecting each pin of the first module to a pin of an other module that was connected to the selected module; and

commanding the first module to change to a run state.

10. (Original) The method of claim 9 further comprising the steps of adding at least one additional module to the at least one streaming path; and commanding the at least one additional module to change to a run state.

11. (Currently Amended) The method of claim 9 further comprising the steps of:

detecting when each input edge module receives a notification packet;

connecting at least one output pin of each input edge module to at least one input pin of the first module; and

wherein each first module is commanded to change to a run state when its input pin is connected to one of the first module and the input edge module[[]].

12. (Original) The method of claim 9 further comprising the step of acquiring a graph lock.

13. (Original) A computer-readable medium having computer executable instructions for performing the steps recited in claim 1.